

EFCC - Filtered Channel Combiner

The Eagle Filtered Channel Combiner is the premier forward spectrum combining network for today's Telecommunications Industry. Eagle's New Patent Pending passive combiner allows you to save up to -7dB of Insertion Loss in the headend over traditional splitter combining methods. Each input channel is routed through an individual bandpass filter. The filter removes out-of-band noise and spurious signals produced by the modulator and provides a high degree of isolation between modulators. This extensive filtering allows the combining of analog channels and digital carriers from many different sources onto a single output cable with reduced insertion loss and improved carrier to noise and MER. The EFCC is simply the best channel combiner available in the industry today. Let the New Eagle Filtered Channel Combiner help improve your total performance throughout the distribution system.

Specifications

BAND PASS INPUT PORTS

INSERTION LOSS ANY INPUT TO THE COMBINED OUTPUT

Channels 2 - 36, Channels 95 - 99 -14.50 dB Typ.
Channels 37 - 78, -16.80 dB Typ.
Channels 79 - 125, -18.50 dB Typ.

4 AUXILIARY INPUT PORTS (NON BAND PASSED)

Input-to-output attenuation 5 - 1000 MHz -14 dB \pm 1 dB
(EX: "Digital Spectrum" or any other signal that may be required on the final output)

FLATNESS

Any 6 MHz region within any band < -0.50 dB
Auxiliary Broadband input 5 - 1000MHz, < -2.00dB Total
Any 6 MHz region < -0.50 dB

GROUP DELAY

Any 6 MHz region within any Band < 10.0 nSec.

ISOLATION

Adjacent Channel Isolation -50 dB
Between any bands of different modules -70 dB
Between different bands of same module -50 dB

Features

- Low Insertion Loss
- Improve C/N and MER
- Easy Channel Identification
- Each Carrier Individually Bandpassed
- Removes Modulators Spurious Outputs and Harmonics



SURGE

6KV Ring Wave Compliant
-SCTE - TP - 201 Test Procedure

MODELS

EFCC - 330 2RU
EFCC - 550 4RU
EFCC - 800 6RU

